

IN THE CLAIMS

Please cancel Claims 14-21, without prejudice to or disclaimer of the subject matter recited therein.

1. (Previously Presented) An image reading apparatus for reading an image of a document, comprising:

an image reading unit configured to read the image of the document;

an illuminating unit configured to illuminate the document;

a plurality of mirrors configured to reflect light from the document; and

a housing configured to support the plurality of mirrors, said housing including a mirror supporting part including a hole for at least one of the plurality of mirrors,

wherein at least one of the plurality of mirrors comprises:

a curved reflecting mirror surface having two longitudinal ends and two lateral edges;

first and second longitudinal portions, each positioned adjacent one of the longitudinal ends of the reflecting mirror surface and being contiguous therewith so as to extend therefrom; and

a projection, separate from the reflecting mirror surface, positioned adjacent one of the lateral edges of the reflecting mirror surface, and projecting into the hole of the mirror supporting part, and disposed at a position corresponding to a reference axis of the curved reflecting mirror surface,

wherein the reflecting mirror surface, the first and second longitudinal portions, and the projection are integrally formed as part of the mirror.

2. (Previously Presented) An image reading apparatus according to claim 1, further comprising two contact portions each provided on a different one of the first and second longitudinal portions and each having a flat portion.

3. (Previously Presented) An image reading apparatus according to claim 2, wherein the curved reflecting mirror surface and the contact portions of the mirrors are formed integrally.

4. (Previously Presented) An image reading apparatus according to claim 2, wherein the two contact portions comprise longitudinal position determining parts and the projection comprises a lateral position determining part for respectively and independently determining a longitudinal direction position and a lateral direction position of said at least one mirror.

5. (Previously Presented) An image reading apparatus according to claim 4, wherein either the longitudinal position determining parts or the lateral position determining part provided on the at least one of the mirrors are formed on flat portions.

6. (Previously Presented) An image reading apparatus according to claim 4, wherein the longitudinal position determining parts and the lateral position determining part provided on the at least one of the mirrors determine the position of a reference axis of the curved reflecting surface of the at least one of the mirrors.

7. (Previously Presented) An image reading apparatus according to claim 4, wherein the curved reflecting surface, and the longitudinal position determining parts and the lateral position determining part are formed integrally for the at least one of the mirrors.

8. (Previously Presented) An image reading apparatus according to claim 4, wherein the housing comprises engaging parts with which the longitudinal position determining parts of the at least one of the mirrors engage, and when the engaging parts, and the longitudinal position determining parts engage with each other, each portion of the engaging parts can slide in a direction orthogonal to a position determining direction, thereby allowing thermal expansion of the at least one of the mirrors.

9. (Previously Presented) An image reading apparatus according to claim 2, further comprising a spring configured and positioned to press the two contact portions against the housing to determine the position of the curved reflecting mirror surface.

10. (Previously Presented) An image reading apparatus according to claim 2, wherein the plurality of mirrors, each of which comprising the curved reflecting mirror surface and the two contact portions, is configured to form the image of the document onto the image reading unit, and a reference-axis ray has a different incident direction and reflected direction with the curved reflecting surface.

11. (Previously Presented) An image reading apparatus according to claim 1, further comprising a scanning unit configured to move the housing to perform scanning of

the image of the document, wherein the housing further supports the image reading unit and the illumination unit.

12. (Previously Presented) An image reading apparatus according to claim 2, wherein the two contact portions are adjacent to the curved reflecting mirror surface.

13. (Previously Presented) An image reading apparatus according to claim 2, wherein the curved reflecting surface is between one of the two contact portions and the other of the two contact portions.

14-21. (Cancelled)

22. (Previously Presented) An image reading apparatus for reading an image of a document, comprising:

an image reading unit configured to read the image of the document;

an illuminating unit configured to illuminate the document;

a mirror configured to reflect and guide light from the document to said image reading unit, said mirror including a curved reflecting mirror surface having two longitudinal ends and two lateral edges;

first and second longitudinal portions, each positioned adjacent one of the longitudinal ends of the reflecting mirror surface and being contiguous therewith so as to extend therefrom;

a housing configured to support said mirror, said housing including a concave portion; and

wherein said mirror comprises:

first and second longitudinal portions, each positioned adjacent one of the longitudinal ends of the reflecting mirror surface and being contiguous therewith so as to extend therefrom; and

a projection, separate from the reflecting mirror surface, positioned adjacent one of the lateral edges of the reflecting mirror surface, and inserted into the concave portion of the housing, and disposed at a position corresponding to a reference axis of the curved reflecting mirror surface,

wherein the reflecting mirror surface, the first and second longitudinal portions, and the projection are integrally formed as part of the mirror.